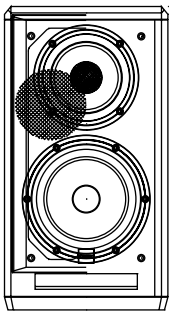
Pioneer *sound.vision.soul*

Service Manual



ORDER NO.
RRV2527

SPEAKER SYSTEM

S-A4-LR XMD/E

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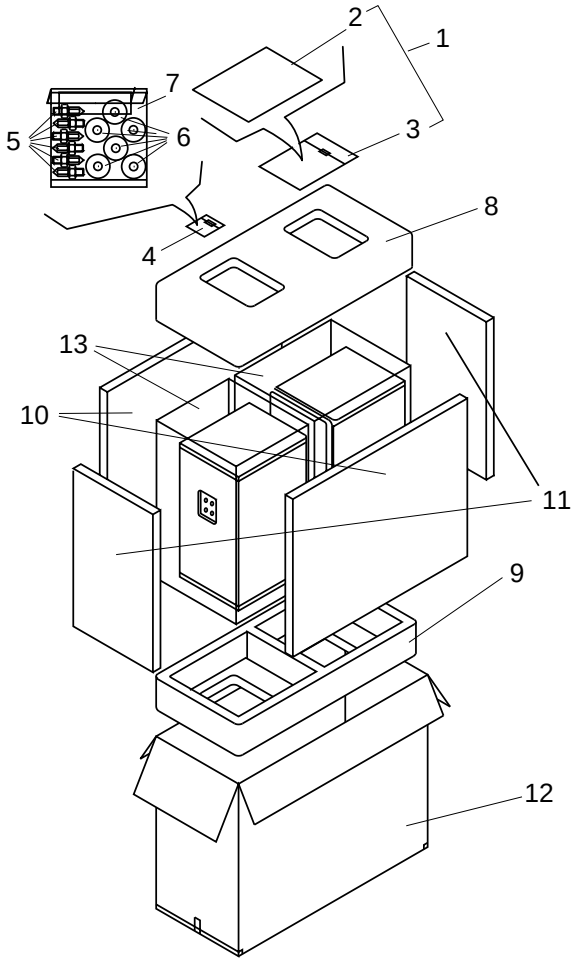
1. EXPLODED VIEWS and PARTS LIST

NOTES: ● *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
● *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
● *Screws adjacent to ▼ mark on the product are used for disassembly.*

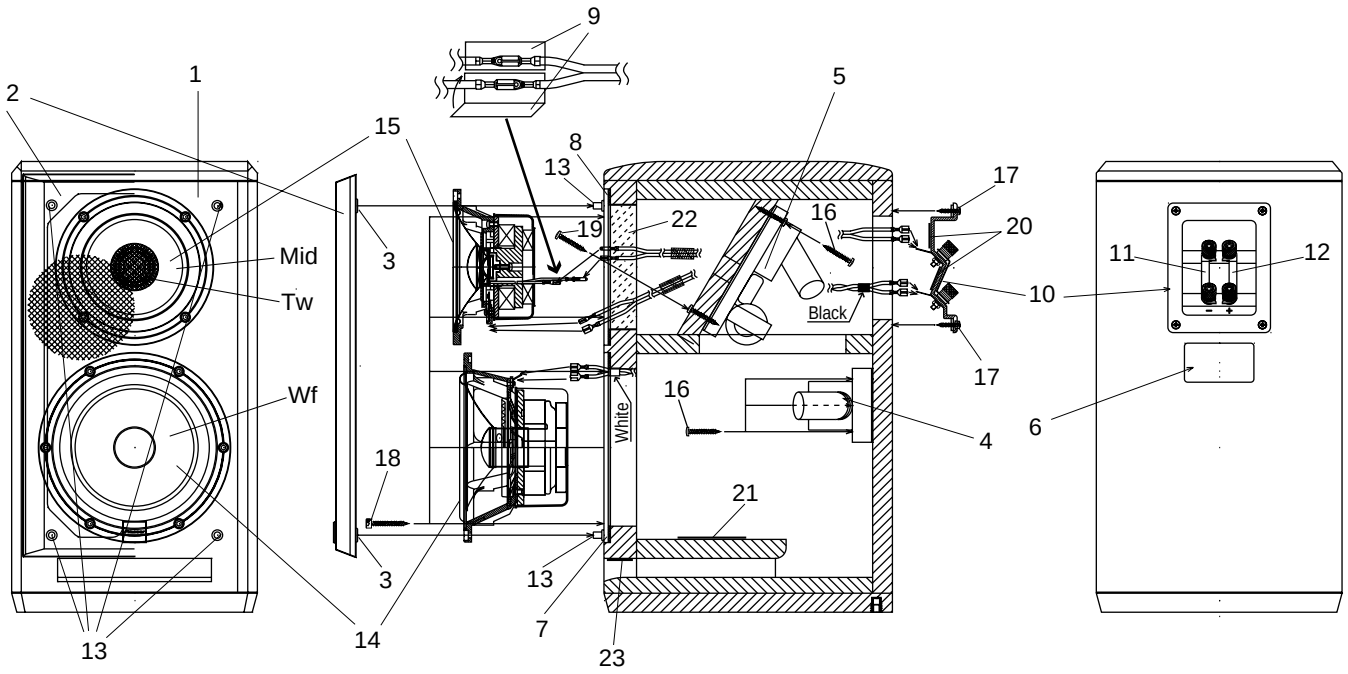
1.1 PACKING



● PACKING PARTS LIST

Mark	No.	Description	Parts No.
NSP	1	Accessories Set	SME3245
	2	├ Install Instructions (English,Spanish,Chinese)	SRD1233
	3	└ Polyethylene Bag S2	SHL1265
NSP	4	Accessories Set	SME3100
	5	├ Spike	SBA1188
	6	├ Base	SLA1052
	7	└ Polyethylene Bag S0	SHL1259
	8	Foam Pad	SHA2256
	9	Foam Pad	SHA2257
	10	Foam Pad	SHA2258
	11	Foam Pad	SHA2259
	12	Packing Case	SHG2385
	13	Polyethylene Bag S7	SHL1262

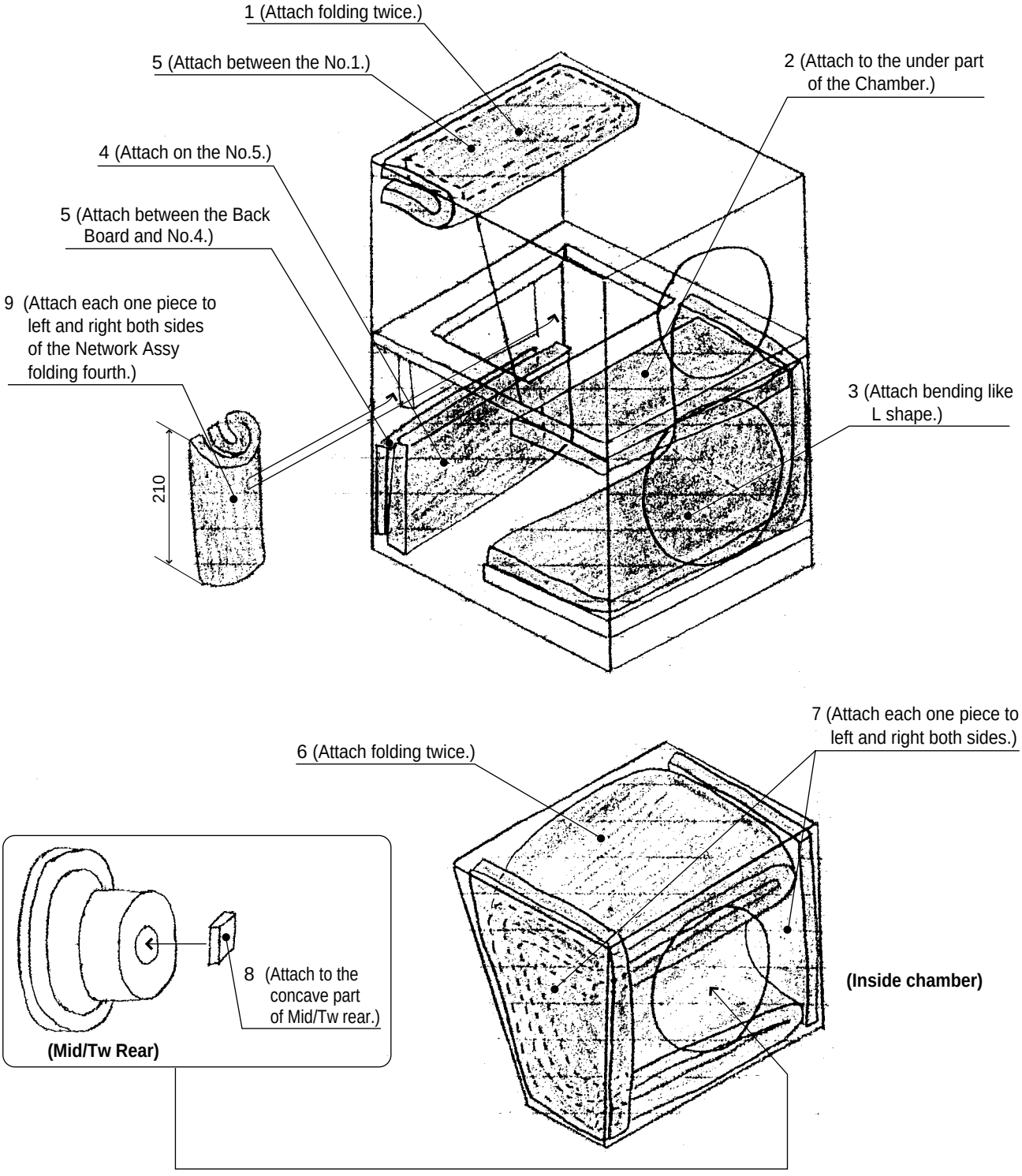
1.2 CABINET



● CABINET PARTS LIST

Mark	No.	Description	Parts No.
NSP	1	Cabinet	SMM1946
	2	Grille	SMG1713
	3	└ Catch	SNK2464
NSP	4	Network Assy (for Wf)	SWN1649
NSP	5	Network Assy (for Mid/Tw)	SWN1669
NSP	6	Model Label	SAN3028
NSP	7	Gasket (for Wf)	SEC1493
NSP	8	Gasket (for Mid/Tw)	SEC1494
	9	Gasket (for Tw cord packing)	SEC1495
	10	Input Terminal	SKX1064
	11	├ Conductor L	SKC1065
	12	└ Conductor R	SKC1066
	13	Catch	SLH1069
	14	Speaker (Wf)	W16FR90-51D
	15	Speaker (Mid/Tw)	W13FR82-51DX
	16	Screw (for Network Assy)	SBA1189
	17	Screw (for Input Terminal)	SBA1190
	18	Screw (for Wf,Mid/Tw)	SBA1191
	19	Screw (for Network Assy)	SBA1193
NSP	20	Damper(for Input Terminal)	SEP1235
NSP	21	Damper(for Duct Board)	SEP1236
NSP	22	Damper(for hole for Mid/Tw)	SER1297
NSP	23	Damper(for Port)	SER1299

1.3 ACOUSTIC ABSOBENT ATTACHING


1 (Attach folding twice.)
5 (Attach between the No.1.)
2 (Attach to the under part of the Chamber.)
4 (Attach on the No.5.)
5 (Attach between the Back Board and No.4.)
9 (Attach each one piece to left and right both sides of the Network Assy folding fourth.)
210
3 (Attach bending like L shape.)
7 (Attach each one piece to left and right both sides.)
6 (Attach folding twice.)
8 (Attach to the concave part of Mid/Tw rear.)
(Mid/Tw Rear)
(Inside chamber)

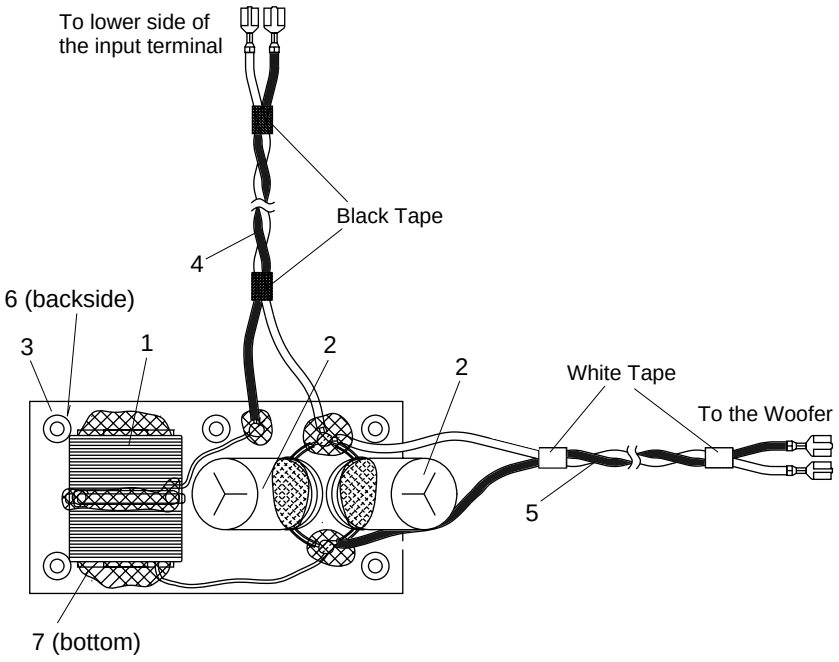
● ACOUSTIC ABSORBENT ATTACHING PARTS LIST

Mark	No.	Description	Parts No.
NSP	1	Acoustic Absorbent (200×200)	SMT1109
NSP	2	Acoustic Absorbent (190×60)	SMT1103
NSP	3	Acoustic Absorbent (380×130)	SMT1104
NSP	4	Acoustic Absorbent (190×110)	SMT1107
NSP	5	Acoustic Absorbent (160×80)	SMV2015
NSP	6	Acoustic Absorbent (250×320)	SMT1112
NSP	7	Acoustic Absorbent (120×100)	SMV2012
NSP	8	Acoustic Absorbent (30×30)	SMT1108
NSP	9	Acoustic Absorbent (140×210)	SMT1105

1.4 NETWORK ASSY

1.4.1 LPF

[SWN1649]

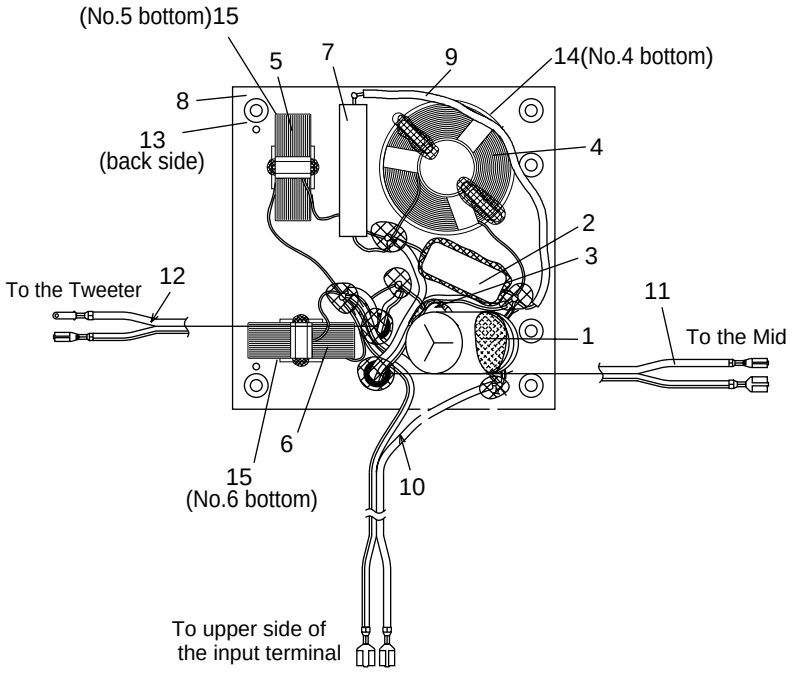


● NETWORK ASSY(LPF) PARTS LIST

Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
	1	Choke Coil 4.5 (L1)	STH1236	NSP	5	Cord	SDC1015
	2	Capacitor 27 (C1,C2)	SCH1022		6	Packing	SEC1487
NSP	3	Circuit Board	SNR1112	NSP	7	Damper	SER1280
NSP	4	Cord	SDC1013				

1.4.2 HPF

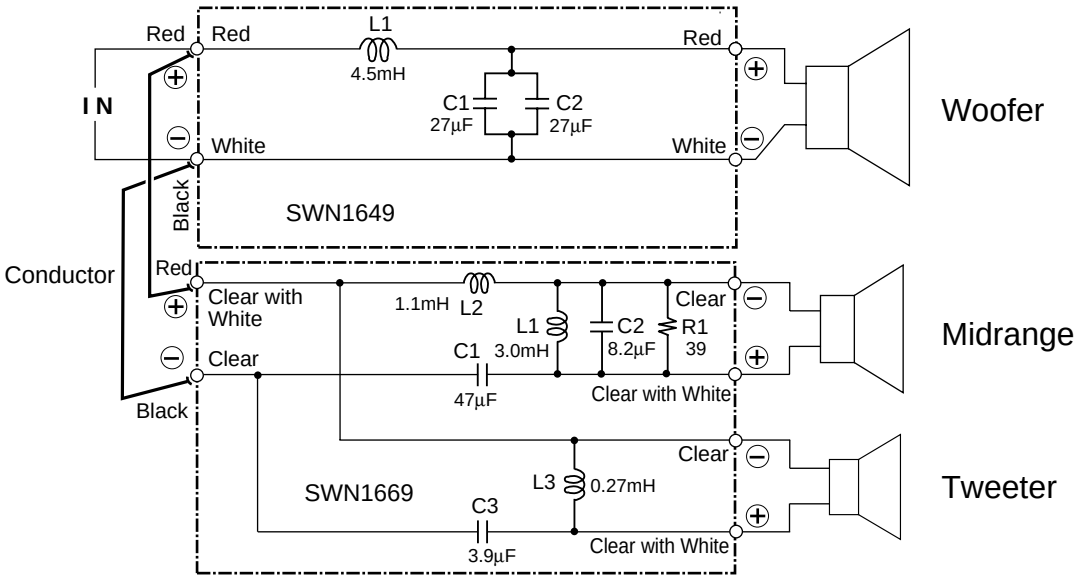
[SWN1669]



● NETWORK ASSY(LPF) PARTS LIST

Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
	1	Capacitor 47 (C1)	SCH1023	NSP	9	Cord	SDB1143
	2	Capacitor 8.2 (C2)	SCE1020	NSP	10	Cord	SDD1281
	3	Capacitor 3.9 (C3)	SCE1021	NSP	11	Cord	SDD1299
	4	Coil 3.0 (L1)	STK1031	NSP	12	Cord	SDD1278
	5	Coil 1.1 (L2)	STK1037		13	Packing	SEC1488
	6	Coil 0.27 (L3)	STK1035	NSP	14	Damper	SER1281
	7	Resistor 39	SCN1031	NSP	15	Damper	SER1282
NSP	8	Circuit Board	SNR1113				

2. SCHEMATIC DIAGRAM



3. PRECAUTION OF REASSEMBLY AND DISASSEMBLY

3.1 Grille

The grille is fixed to the cabinet with catches, and it can be removed by pulling it toward you.
When reinstalling, orient the grille with the badge at the bottom.

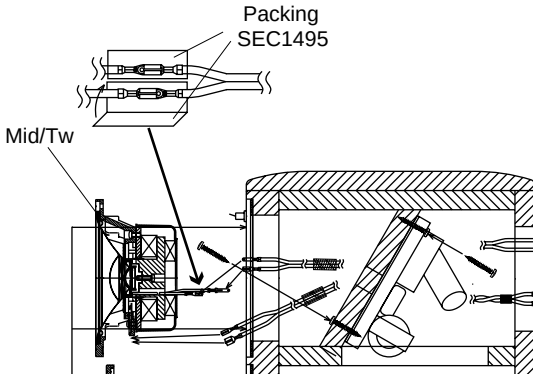
3.2 Woofer

The woofer is attached to the baffle board from the outside with 6 screws.
To remove the woofer, remove the grille first and remove the screws.
To reinstall the woofer, place it so that its terminal board faces upward.

3.3 Midrange and Tweeter

The midrange and tweeter are integrated into a coaxial unit, and the coaxial unit is attached to the baffle board from the outside with 4 screws.
To remove this coaxial unit, remove the grille first and remove these screws. Then remove the packing covering the cord connections of the tweeter.
When reinstalling the coaxial unit, place the midrange so that its terminal board faces downward. After reconnecting the tweeter cords, cover the cord connections by using packing (two SEC1495) to avoid short-circuiting, as illustrated at right.

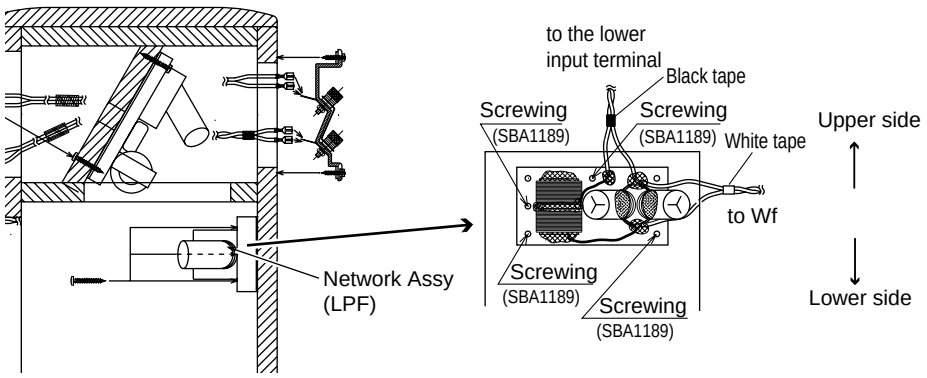
[Packing for the tweeter connecting cords]



3.4 Network Assy (LPF)

The Network Assy (LPF) is attached to the inside of the rear cover of the cabinet with 4 screws from the inside.
To remove the Network Assy, first remove the grille, remove the woofer, and disconnect the cords from the woofer. Then, remove the input-terminal board by loosening the 4 screws, and disconnect the cords from the input-terminal board. Loosen the 4 screws that secure the Network Assy, and remove it through the hole in the baffle board.
To reinstall the Network Assy, first connect the cords bundled with black tape from the Network Assy to the lower-side terminals of the input-terminal board, and the cords bundled with white tape to the woofer. Then attach the input-terminal board and the woofer. Place the input-terminal board so that the positive terminals are on the right-hand side, and attach it using the 4 screws. (See the illustration below for placement of the Network Assy.)

[Placement of the Network Assy (LPF)]



3.5 Network Assy (HPF)

The Network Assy (HPF) is attached on the back of the rear board of the chamber with 2 screws(SBA1189) from the outside and 2 screws(SBA1193) from the inside of the chamber.
To remove the Network Assy, first remove the grille, remove the woofer, and disconnect the cords connected to the woofer. Then, remove the midrange/tweeter coaxial speaker unit and disconnect the cords from the midrange and the tweeter.
When disconnecting the cords from the tweeter, first remove the packing. Then remove the input-terminal board by loosening the 4 screws, and disconnect the cords from the input-terminal board. Pull out the Network Assy through the hole for the woofer in the baffle board.
When reinstalling the Network Assy, connect the cords by verifying the shapes of the terminals at the ends of the cords.
The cords to be connected to the input-terminal board must be connected to the upper-side terminals of the input-terminal board.
For connections with the tweeter, see 3.3. Make sure that the two cords sticking out the back of the Network Assy go through the hole in the rear board of the chamber. Then, reinstall the input-terminal board and the woofer. Place the input-terminal board so that the positive terminals are on the right-hand side, and attach it using the 4 screws. (See the illustration below for placement of the Network Assy and connections.)

[Placement of the Network Assy (HPF) and cord connections]